

ABSTRACT

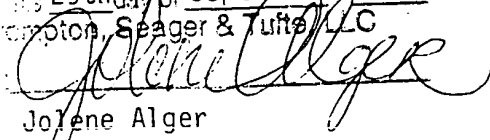
A guided filter system for temporary placement of a filter in an artery or vein is disclosed. The system includes a guidewire slideable through a wire guide included in a distal region of a support wire. The support wire has an expandable filter, which is operable between a collapsed or enlarged condition. A variety of endovascular devices, including angioplasty, atherectomy, and stent-deployment catheters, are insertable over the guidewire and/or the support wire. Methods of using the guided filter system to direct and exchange endovascular devices to a region of interest, and to entrap and remove embolic material from the vessel are also disclosed.

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